

# Joint Plan Underway For Tech--PSTC Radio Station

The Electrical Engineering Department of Clarkson has successfully completed a survey to determine the effectiveness of the proposed carrier broadcast system. They have arrived at the conclusion that with a high fidelity, properly constructed transmitter, excellent reception could be obtained.

These Tests were undertaken at the request of a joint committee composed of Dr. Frederick Crumb, President of P.S.T.C., Dr. Trauger, Head, Department of English, and Miss Helen Hosmer, Director, Crane Department of Music, and by three faculty representatives of Clarkson, Professor Harold E. Marble, Professor Frank A. Record, and Mr. McPheeters.

This joint committee decided that if the tests proved effective active support would be given and broadcast facilities would be set up.

This broadcast station will become a very important part of both colleges and would be operated with the greatest efficiency. It has been pointed out that schools without the necessary technical background have to employ men to set up and maintain the equipment. Clarkson and P.S.T.C., however, are particularly fortunate in having available a good combination of technical and artistic talent which should insure the project phenomenal success.

With such a station it will be possible to give sports broadcasts, make announcements of vital interest, present plays, broadcast convocations and discussions and present other entertainment programs to a greater number of the students of both schools. From the standpoint of education this station will be very valuable, as it will give training in radio broadcasting and experience in speaking, singing and concert work.

Under present plans the studios will be located in P.S.T.C. Clarkson will build and maintain the transmission equipment and P.S.T.C. will work mainly with programing.

## New Type Station

It has been emphasized that this station will not operate upon the same principle as an ordinary commercial radio station but will utilize a new principle altogether, the principle of superimposing a carrier current upon the power lines. Reception can be obtained from any ordinary received however merely by tuning it in. There is no interference set up which will conflict with other stations or radio programs. The transmission of this type station is confined to the village and will be carried only as far as local power circuits operate. This will give adequate service for the two schools and yet will not interfere with other radio or electronic communication.

This broadcast station will fill a long felt need and should render invaluable service and education to both colleges as well as the local townspeople.